

Recombinant Human GCNT3, His-tagged

Cat. No. GCNT3-13200H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GCNT3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-438a.a.
Description	This gene encodes polypeptide N-acetylgalactosaminyltransferase 2, a member of the GalNAc-transferases family. This family transfers an N-acetyl galactosamine to the hydroxyl group of a serine or threonine residue in the first step of O-linked oligosaccharide biosynthesis. Individual GalNAc-transferases have distinct activities and initiation of O-glycosylation in a cell is regulated by a repertoire of GalNAc-transferases.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	GCNT3 glucosaminyl (N-acetyl) transferase 3, mucin type [Homo sapiens]
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Official Symbol	GCNT3
Synonyms	GCNT3; glucosaminyl (N-acetyl) transferase 3, mucin type; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 3; C2/4GnT; C2GnT M; C2GnT2; hC2GnT-M; C2GnT-mucin type; beta1,6GlcNAc-transferase; beta1,6-N-acetylglucosaminyltransferase-M; core 2/core 4 beta-1,6-N-acetylglucosaminyltransferase; mucus-type core 2 beta-1,6-N-acetylglucosaminyltransferase; GNTM; C24GNT; C2GNT2; C2GNTM;
Gene ID	9245
mRNA Refseq	NM_004751
Protein Refseq	NP_004742
MIM	606836
UniProt ID	O95395
Chromosome Location	15q22
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Mucin type O-Glycan biosynthesis, organism-specific biosystem; Mucin type O-Glycan biosynthesis, conserved biosystem; O-glycan biosynthesis, mucin type core, organism-specific biosystem; O-glycan biosynthesis, mucin type core, conserved biosystem; O-linked glycosylation of mucins, organism-specific biosystem;
Function	N-acetylglucosaminyl beta-1,6-N-acetylglucosaminyltransferase activity; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase activity;

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transferase activity, transferring glycosyl groups;

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